

## Summary of Monitoring and Control for the Mosquito Program for the Week ending July 15, 2016

### ***West Nile Virus (WNV) in and Around Boulder County***

Mosquito activity is about average in Boulder, with the percentage of *Culex* slightly higher than usual. No reports of WNV have been reported for the city and no mosquito samples have yet tested positive. However, the first mosquito sample tested positive in Boulder County from a trap in northwest Longmont.

Throughout the state, three cases of WNV have been reported from Bent, Douglas and Larimer Counties. Residents are advised to inspect their properties and drain any standing water and to take precautions to prevent mosquito bites. More information is available at the [Fight the Bite website](#).

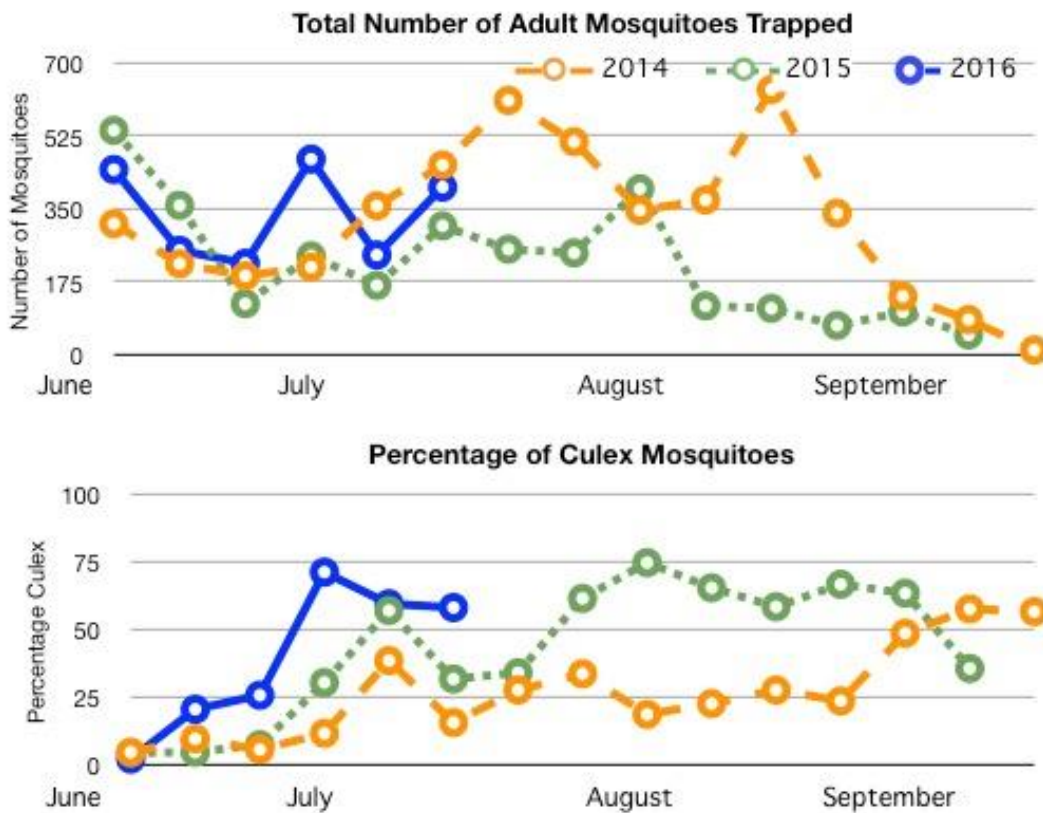
The trap at the Greenbelt Meadows location malfunctioned this week. Since trap counts have been high at that location in the preceding weeks, it's assumed that it remained high this week. Staff and the city's contractor have identified some actions that could improve mosquito control efforts in this area and will be implementing some of these next week. Other longer-term options are being discussed.

### ***Adult Mosquito Trap Numbers***

Adult mosquitoes are monitored from a grid of 16 traps located throughout the city. The mosquitoes are sorted and identified to species. *Culex* species from designated sentinel traps are sent to the Colorado Department of Public Health and Environment to be tested for the presence of WNV. The following table shows the results from surveillance traps.

Date	Total Mosquitoes	Number of <i>Culex</i> Mosquitoes	Percent <i>Culex</i> Mosquitoes	WNV Testing Results
June 7	477	12	2.5%	Not yet testing
June 14	253	53	29.9%	Negative
June 21	222	58	26.1%	Negative
June 28	472	338	71.6%	Negative
July 5	242	145	59.9%	Negative
July 12	405	237	58.5%	Results pending

Weekly mosquito trap results will be charted throughout the season and the results from the previous two years will be included for comparison.



### Nuisance Mosquito Program

Nuisance mosquito abundance and species composition can be compiled from 12 of the 16 WNV surveillance traps (four traps are specific for *Culex* mosquitoes), providing information about nuisance mosquito activity throughout the city. Two additional traps are placed in areas with high nuisance mosquito activity. These are located at the East Boulder Recreation Center and the Thorne Institute at the east side of Sombrero Marsh. “Floating” traps may also be set up to monitor areas of high mosquito activity. One is currently installed at the Greenbelt Meadows neighborhood.

The table below shows the adult nuisance mosquito counts in the three traps that are used for additional monitoring of nuisance mosquitoes, as well as the top five nuisance mosquito counts in WNV surveillance traps throughout the city.

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
Greenbelt Meadows*	Trap malfunction

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
East Boulder Community Center*	87 (49)*
Tom Watson Park	43 (41)
Stazio Ball Fields	32 (17)
Christensen Park	26 (79)
Rolling Rock	17 (9)
Papini	15 (2)
Thorne Institute*	2 (8)*

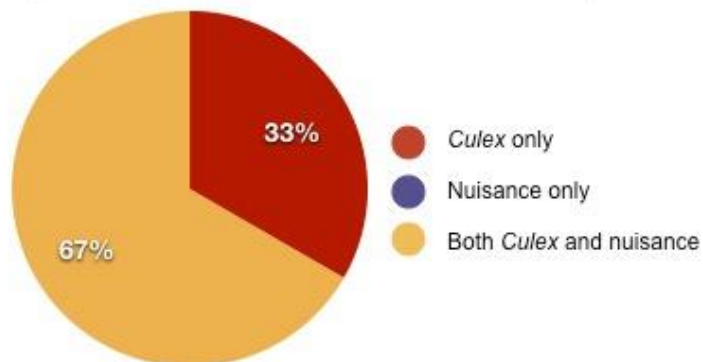
\* Trap is from nuisance mosquito control program

### ***Mosquito Larval Control Treatments***

The week of July 8, a total of 284 site inspections occurred and 15 were treated.

- Sites treated with *Culex*-only larvae: 5
- Sites treated with nuisance-only larvae: 0
- Sites treated with both *Culex* with nuisance larvae: 10

***Percentage of sites treated for Culex and nuisance mosquitoes***



If you have any questions, please contact Rella Abernathy at 303-441-1901.